

Appl. No. 09/511,265
Amdt. Dated August 3, 2004
Reply to Office action mailed May 3, 2004

Replacement Drawings:

While the drawings have not been amended, the attached thirty-four (34) sheets of drawings are provided as replacement sheets. No new matter has been added to the originally filed drawings.

Attachment: Appendix: Thirty (30) Replacement Sheets

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APPENDIX
REPLACEMENT SHEETS

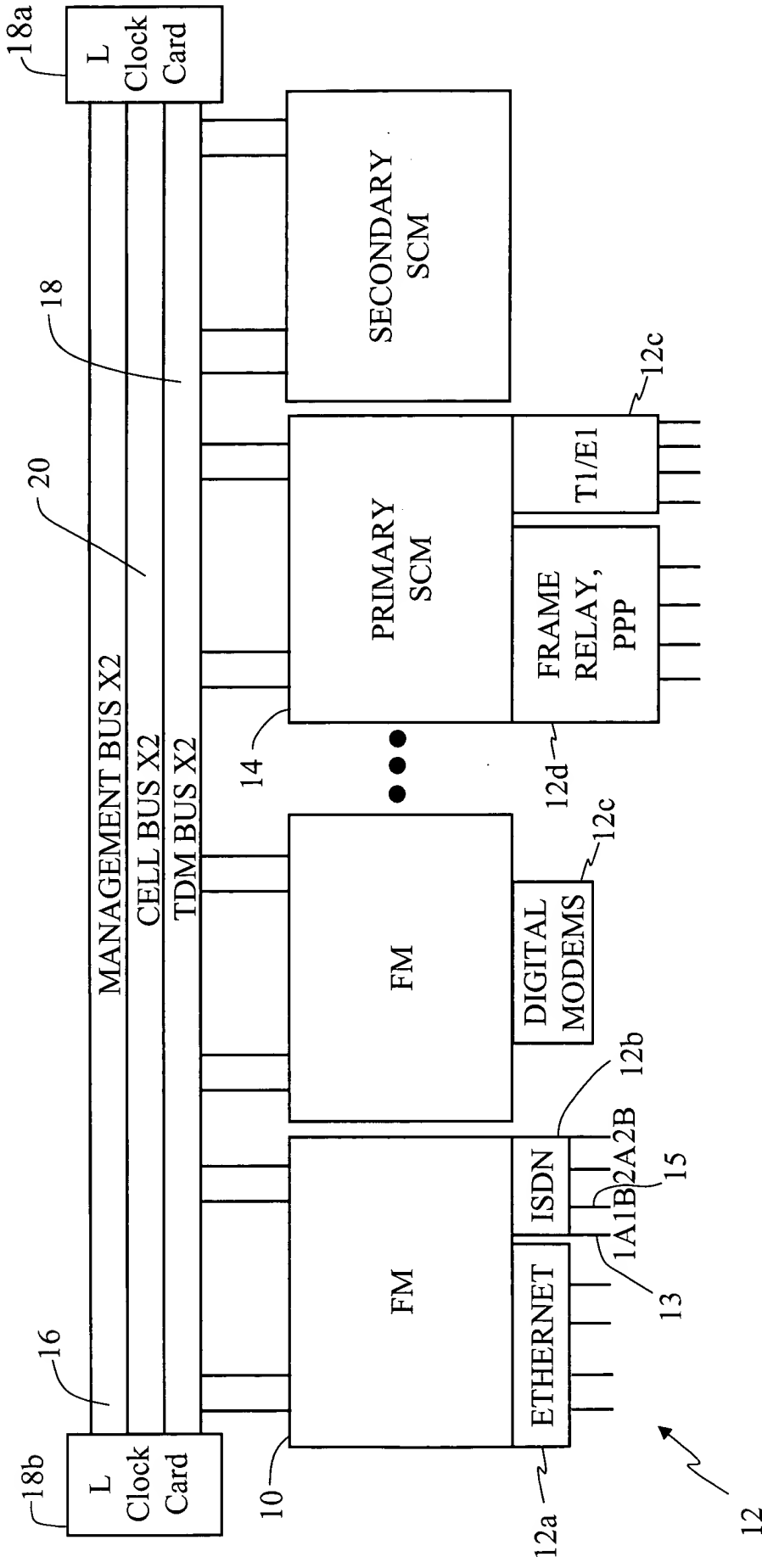


FIG.1

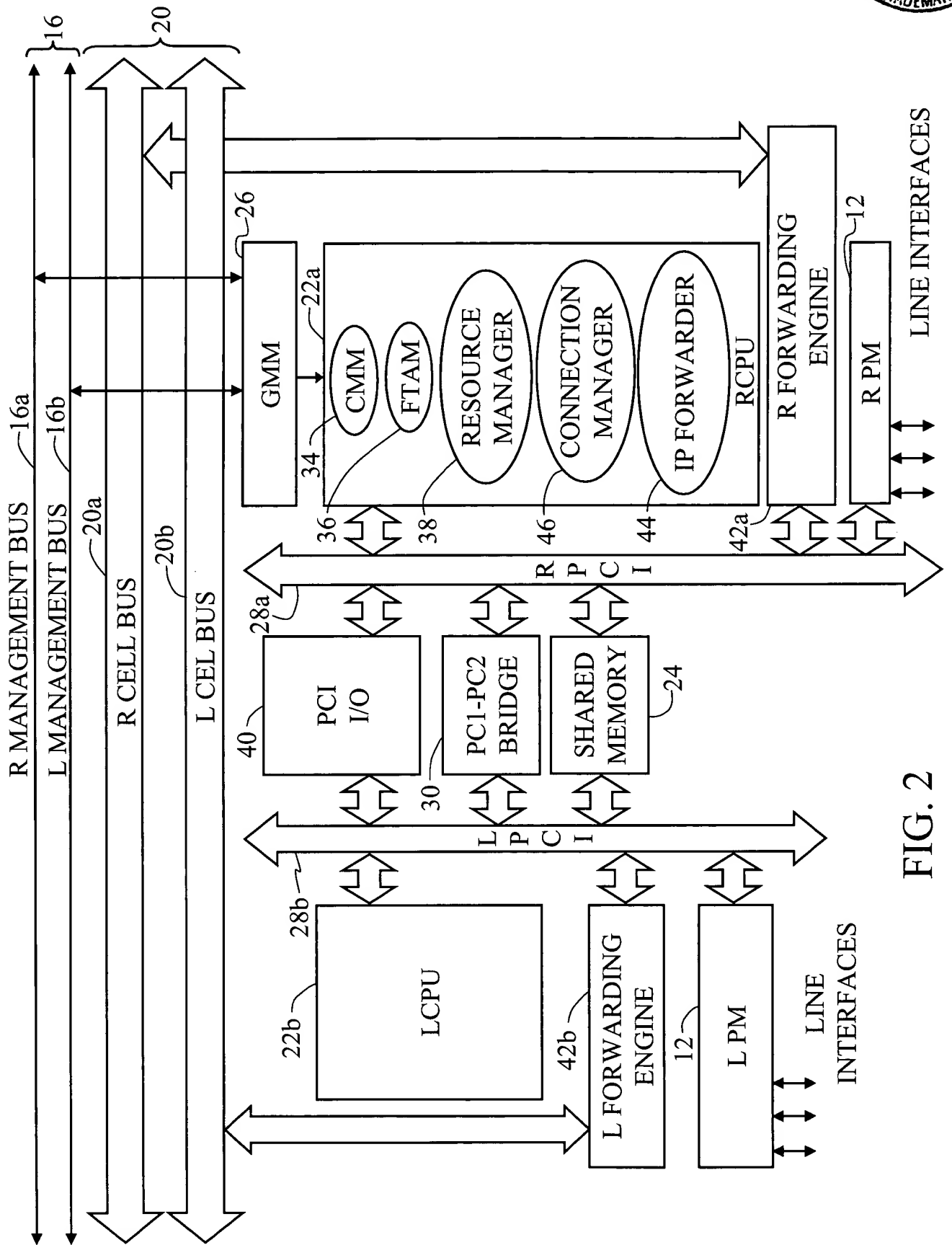


FIG. 2

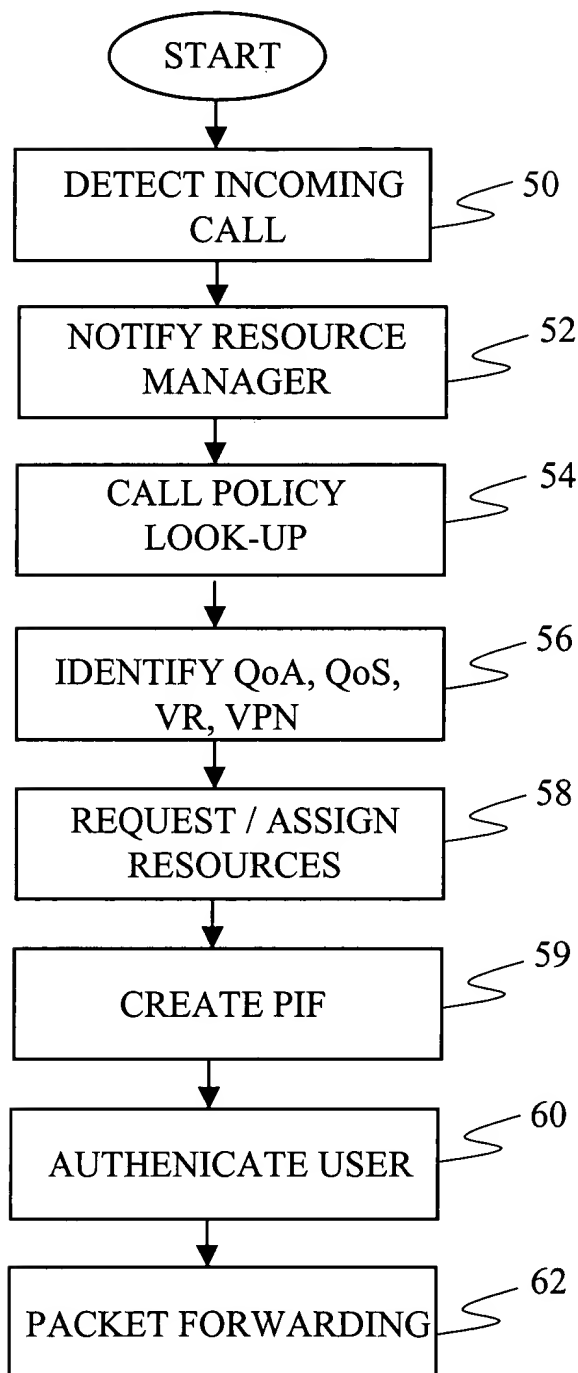


FIG. 3

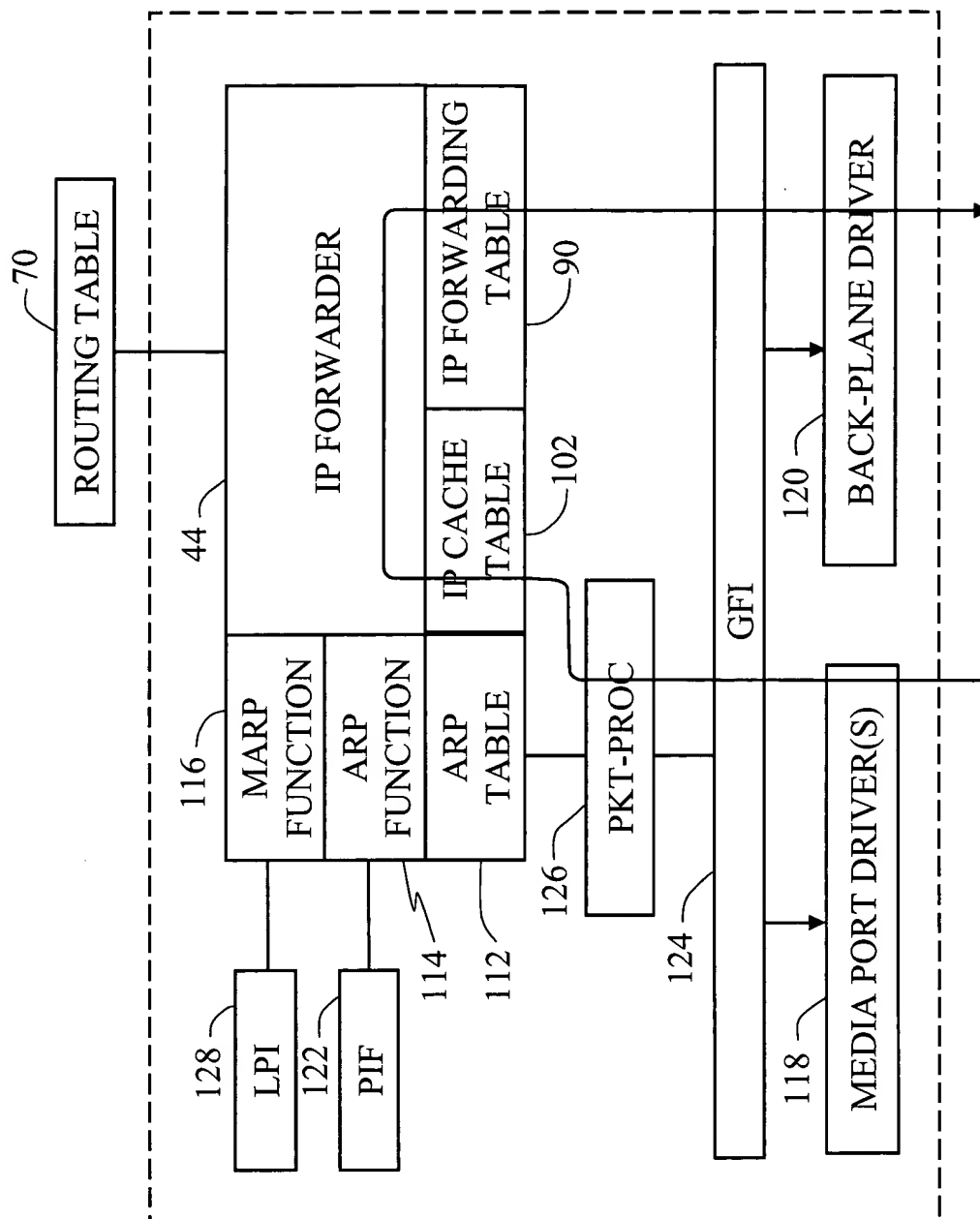


FIG. 4



IP ROUTE TABLE:
TOTAL ROUTES: 32

DESTINATION	SUBNET MASK	NEXT HOP	OWNER	COST
0.0.0.0	0.0.0.0	206.169.142.9	STATIC	1
0.0.0.0	0.0.0.0	206.169.114.17	STATIC	2
0.0.0.0	0.0.0.0	10.1.205.18	OPSPFE	11
10.180.180.0	225.225.225.248	10.1.205.18	OPSPFE	11
10.3.1.16	225.225.225.240	10.1.130.2	OPSPFE	20 :2
10.2.215.64	225.225.225.240	10.1.130.1	OPSPF1	20
10.3.215.64	225.225.225.240	10.1.130.2	OPSPF1	20
10.2.215.0	225.225.225.192	10.1.130.1	OPSPF2	30
10.3.215.0	225.225.225.192	10.1.130.2	OPSPF2	30
10.2.215.0	225.225.225.192	10.1.130.1	OPSPF2	30
10.2.215.0	225.225.225.192	10.1.130.1	OPSPF2	30
10.2.215.128	225.225.225.192	10.1.130.2	OPSPF2	130
10.1.54.0	225.225.225.0	DIRECT	DIAL-POOL	1
10.131.71.0	225.225.225.0	10.1.205.18	OPSPFE	11
10.1.0.0	225.225.0.0	DIRECT	LOCAL	1
10.181.0.0	225.225.0.0	10.1.205.18	OPSPFE	11
10.87.0.0	225.225.0.0	10.1.205.18	OPSPFE	11
10.89.0.0	225.225.0.0	10.1.205.18	OPSPFE	11
10.91.0.0	225.225.0.0	10.1.205.18	OPSPFE	12
10.200.0.0	225.225.0.0	10.1.205.18	OPSPFE	20
10.77.0.0	225.225.0.0	10.1.51.200	OPSPF1	110
11.22.33.0	225.225.225.0	10.1.16.16	OPSPF1	110
206.169.114.16	225.225.225.252	DIRECT	LOCAL	1
206.169.114.152	225.225.225.248	DIRECT	DIAL-POOL	1
206.169.114.136	225.225.225.248	DIRECT	DIAL-POOL	1

PRESS ENTER TO CONTINUE,
ANY OTHER KEY FOLLOWED BY ENTER TO ABORT:

FIG. 5



PRI-SCM: 1.1>=2:netman:ip#_view ipf

IP Forwarding Table:

Total IPF table entries: 12

92 Destination	94 Subnet Mask	96 Nexthop	98 Type	100 Flags (*)
10.3.238.1	225.255.255.255		SPORT	SD(r)
10.1.6.36	225.255.255.255		SPORT	M
10.1.6.35	225.255.255.255		SPORT	M
10.1.6.34	225.255.255.255		SPORT	M
10.1.6.33	225.255.255.255		SPORT	M
10.1.6.32	225.255.255.255		SPORT	M
10.1.6.31	225.255.255.255		SPORT	M
10.2.238.1	225.255.255.255		SPORT	SD (1)
10.1.6.30	225.255.255.255		SPORT	SD (1)
10.3.0.0	225.255.0.0		SPORT	PD (r)
10.2.0.0	225.255.0.0		SPORT	PD (l)
10.1.0.0	225.255.0.0		SPORT	PD (l)
0.0.0.0	0.0.0.0	206.169.142.9	SPORT	R

(*) D: Direct (and l=local card only, r=remote card only), S: System i/f, R: Remote, P: Supernet, F:Default, and M: Mgmt.

Actual IPF Table Entries: 12

FIG. 6



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TOTAL IP CACHE ENTRIES: 3

104 DESTINATION	106 SOURCE	108 OUT PORT	110 HEADER
207.200.77.45	206.169.114.138	FR.1.5.2.3.1	08001000CEA97211
206.169.114	142.10.1.1.25	MO.1.3.1.1.29	0800201DCEA9728E
198.41.0.5	206.169.114.138	FR.1.5.2.3.1	08000000CEA97211

FIG. 7



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IP ARP TABLE:

²⁰⁰ ⚡ IP ADDRESS	²⁰² ⚡ MAC ADDRESS	²⁰⁴ ⚡ PHYSICAL PORT	²⁰⁶ ⚡ TYPE
10.1.1.101	00-FF-4A-3D-2F-1A	EN.1.3.1.1.1.	S
10.1.5.100	00-FF-FF-01-FF-20	EN.1.3.2.1.1.	D
150.140.140.30	08-00-09-FF-65-FF	EN.1.3.1.1.14	LB
147.128.128.60	08-00-09-FF-38-38	EN.1.3.1.1.10	D
10.1.5.109	00-FF-FF-04-02-FF	EN.1.3.2.1.8	S

(*) R:RMT, L: LCL, D: DYN, S: STAT, P: PT2PT, T: ROUTE AND B: BEAST

TOTAL ARP TABLE ENTRIES: 5

FIG. 8

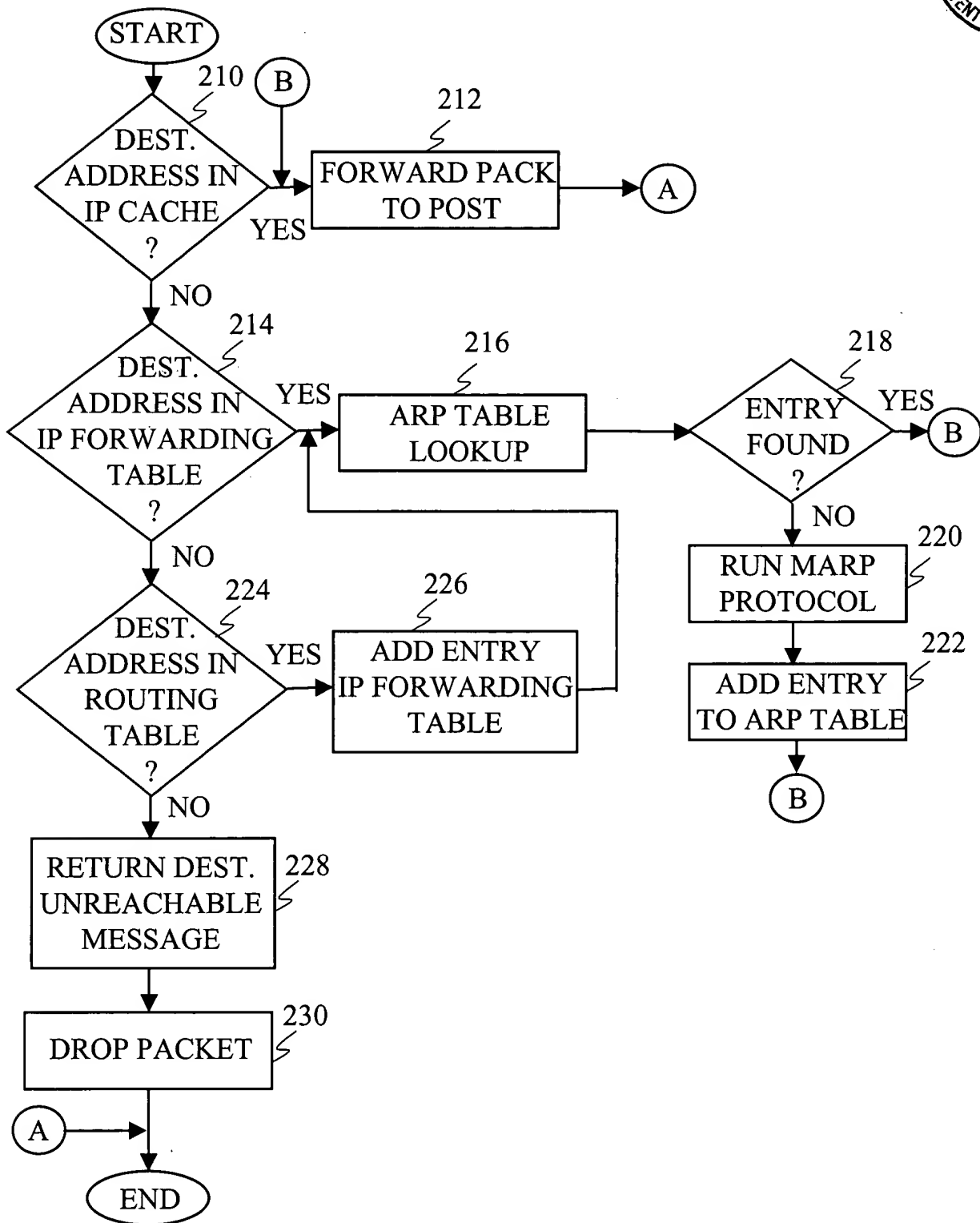


FIG. 9



DOMAIN NAME	NEXT HOP ROUTER
ISP1	206.169.142.9
ISP2	206.169.114.17
...	...
ISPN	206.169.153.3

FIG. 10



291	SEARCH KEY	CALLED-NUM.
292	SOURCE LINK	N/A
293	SOURCE CHANNEL	N/A
294	CALL TYPE:	MODEM
296	SERVICE TYPE:	PPP
298	QUALITY OF ACCESS:	1
300	QUALITY OF SERVICE:	1
302	VR ID:	1
304	VPN ID:	111
306	AUTH. SOURCE:	RADIUS
308	PRY DNS ADDR:	206.169.25.3
310	SCRY DNS ADDR:	206.169.25.100
312	PRY RADIUS SRVR:	10.1.125.26
314	SCRY RADIUS SRVR:	10.1.6.15
316	PHONE NUMBER	555-5555
311	DOMAIN ID	001

FIG. 11

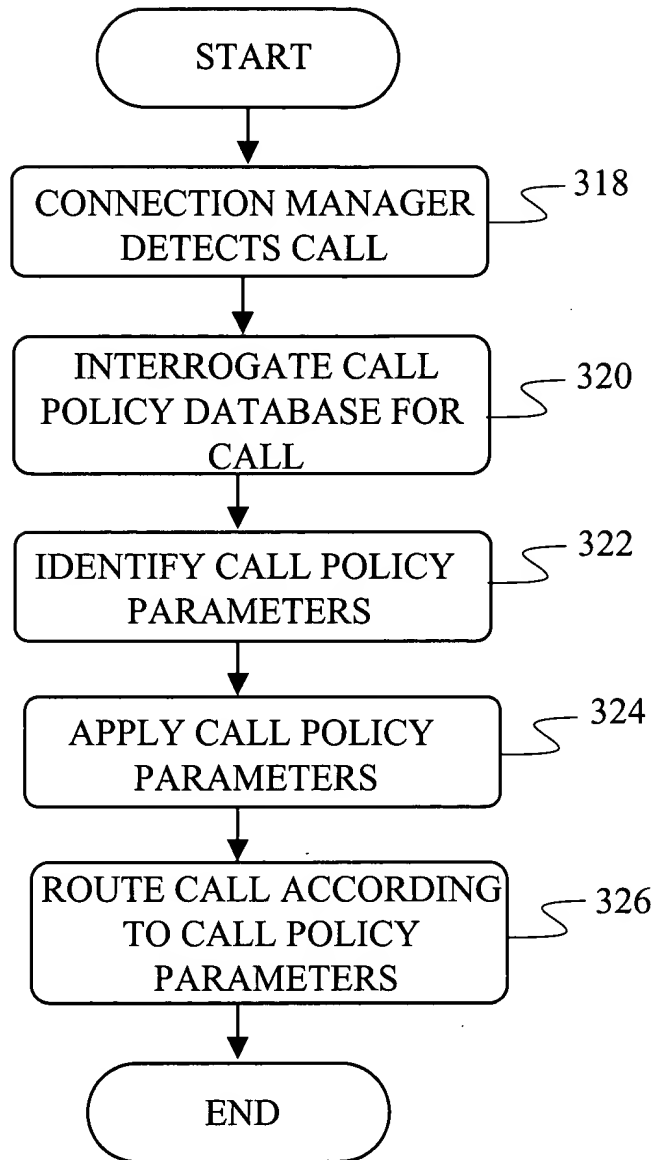


FIG. 12



QoA LEVEL	ACCESS THRESHOLD
1	100%
2	75%
3	50%
4	25%

FIG. 13

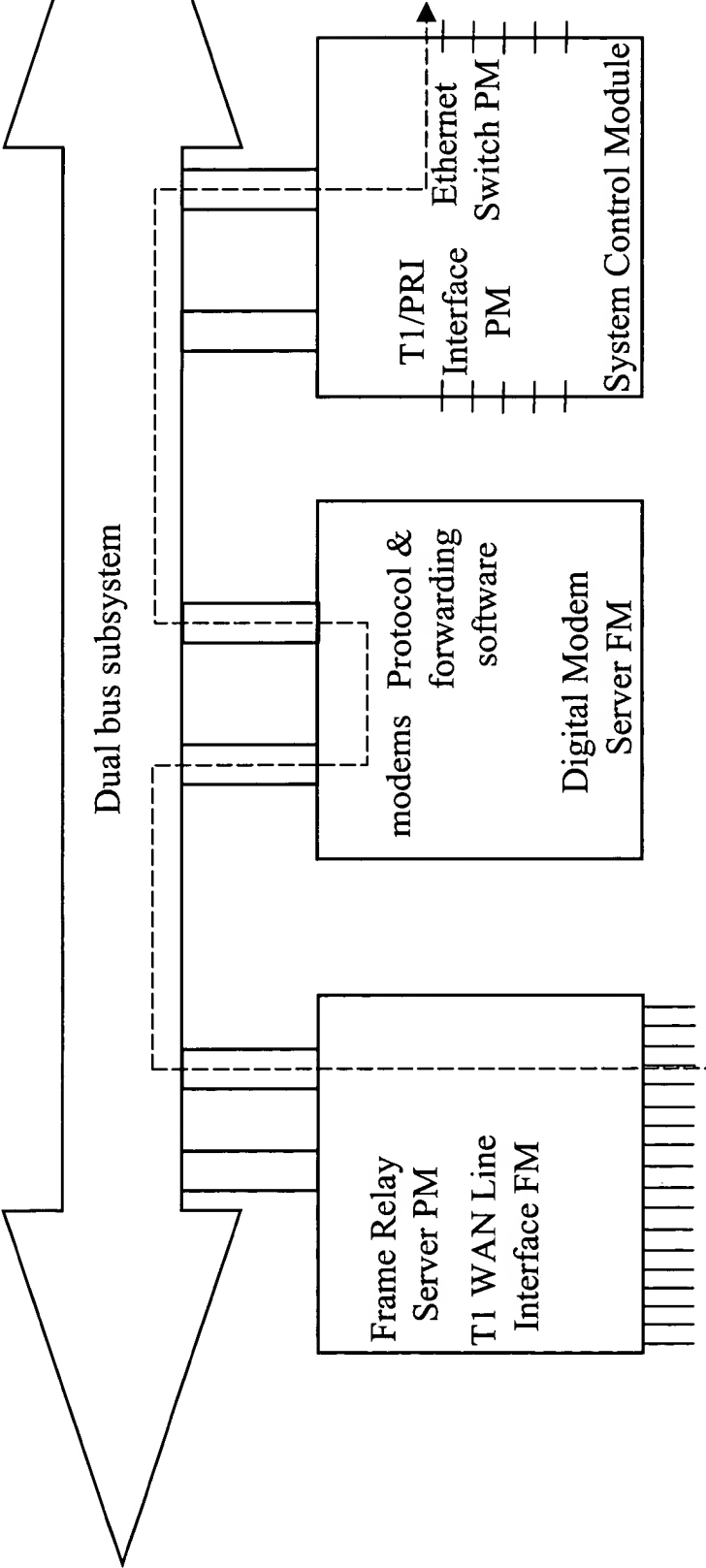


FIG. 14

MODEM RESOURCES

[illegible]

FIG. 15

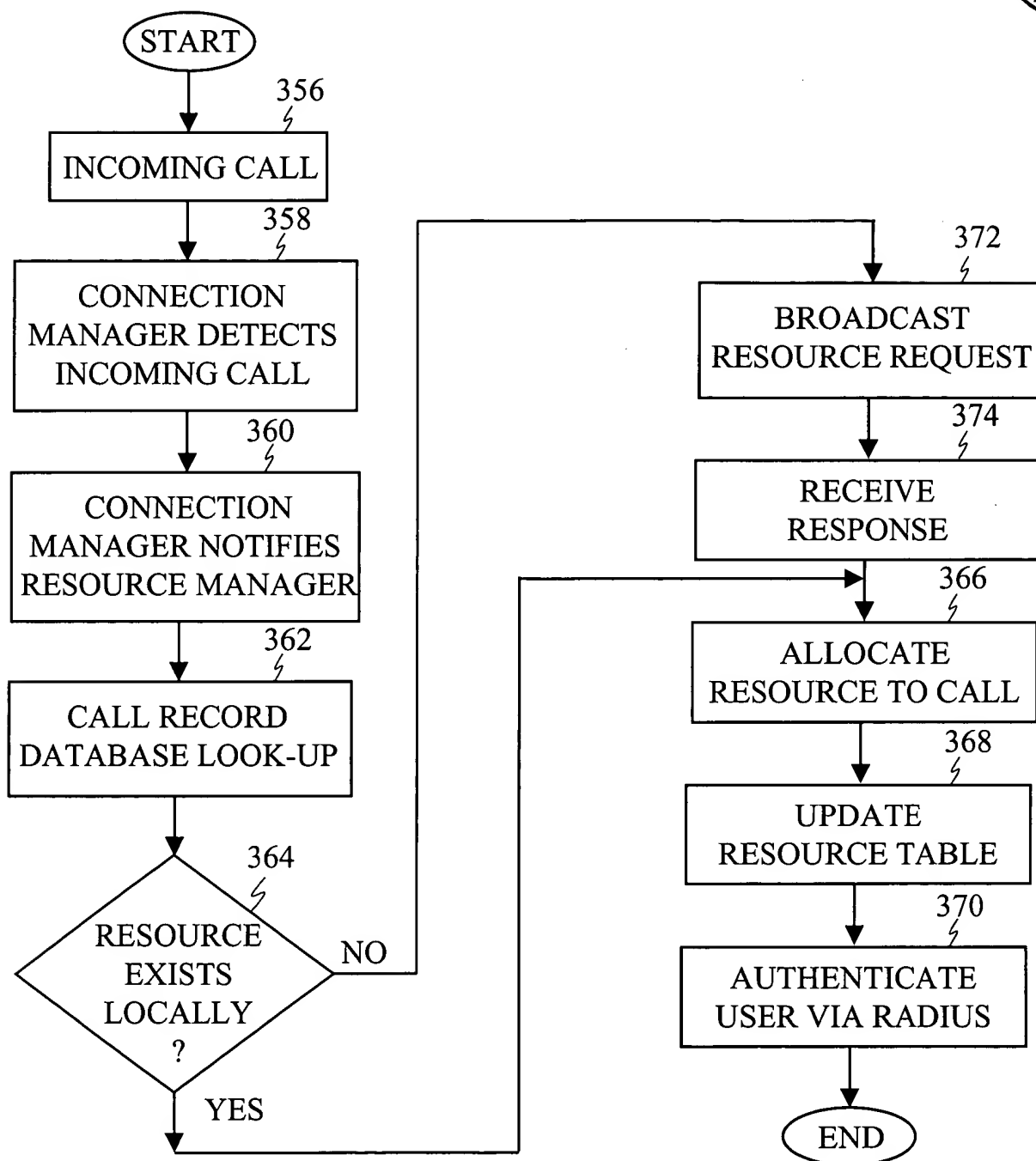


FIG. 16

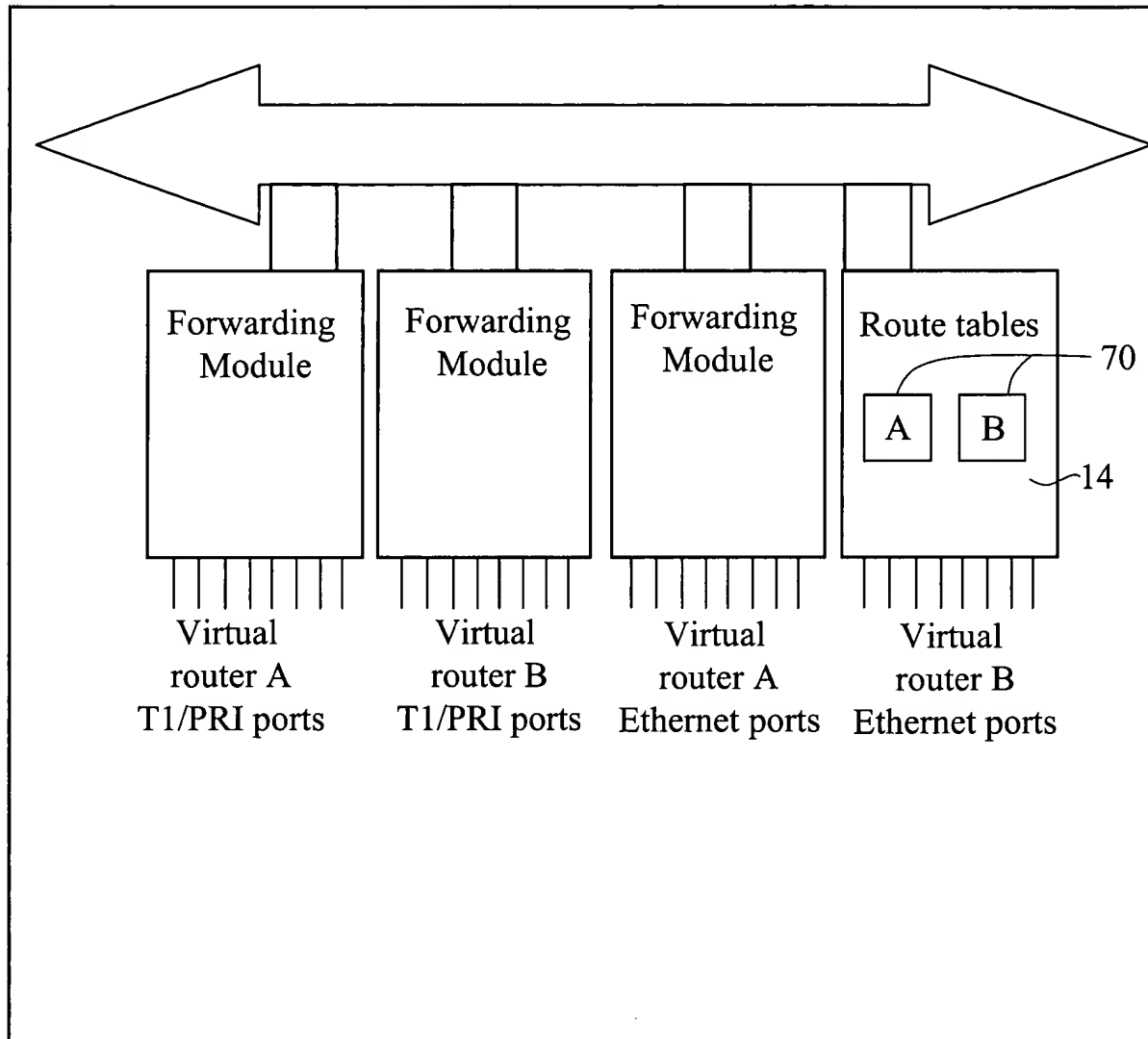


FIG. 17



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IP VPN SESSIONS:

²⁴² ⚡ ID	²⁴⁴ ⚡ VPN – ID	²⁴⁶ ⚡ SOURCE-ADDR	²⁴⁸ ⚡ SOURCE-MASK	²⁵⁰ ⚡ DEST-ADDR	²⁵² ⚡ DEST-MASK
1	111	ANY	ANY	10.1.0.0	255.255.0.0
2	ANY	10.1.0.0	255.255.0.0	208.227.214.0	255.255.255.0
3	ANY	10.1.0.0	255.255.0.0	10.1.0.0	255.255.0.0
4	ANY	10.1.0.0	255.255.0.0	206.169.114.128	255.255.255.192
5	ANY	ANY	ANY	10.1.0.0	255.255.0.0
6	ANY	10.1.0.0	255.255.0.0	ANY	ANY
7	ANY	ANY	ANY	ANY	ANY

FIG. 18



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PRI – SCM: 1.2>=14:NETMAN:IP#

IP VPN RULES:

256 ⚡ ID	258 ⚡ PRI	260 ⚡ ACTION	262 ⚡ IP-PROTO	264 ⚡ APP-PROTO	266 ⚡ SESSCNT	268 ⚡ PKTCOUNT
---	---	-----	-----	-----	-----	-----
1	1	FWD	TCP	FTP	5	3939981
2	1	DROP	ALL	-	2	3

PRI – SCM: 1.2>=14:NETMAN:IP#

FIG. 19



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PRI – SCM: 1.1>=3:NETMAN:IP# VIEW PPN – FILTER
IP VPN LIST OF RULES ATTACHED TO SESSIONS:

272

SESSID	RULE LIST (IN ORDER OF PRIORITY)
1	1
2	1
3	1
4	1
5	2
6	2
7	1

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PRI – SCM: 1.1>=4:NETMAN:IP#

FIG. 20

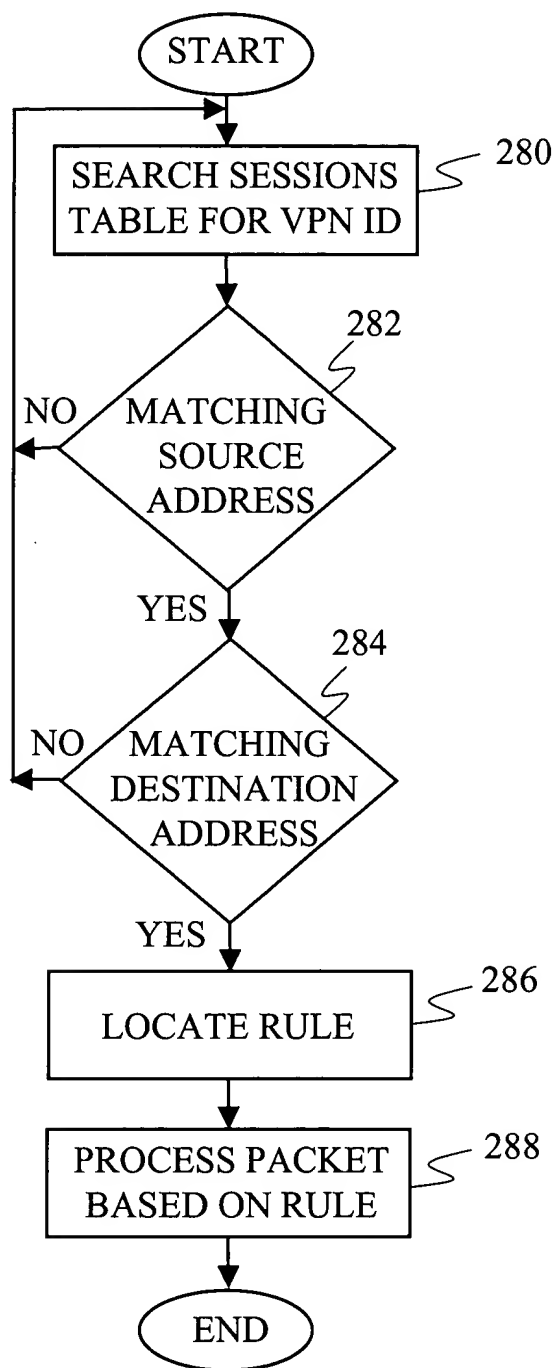


FIG. 21

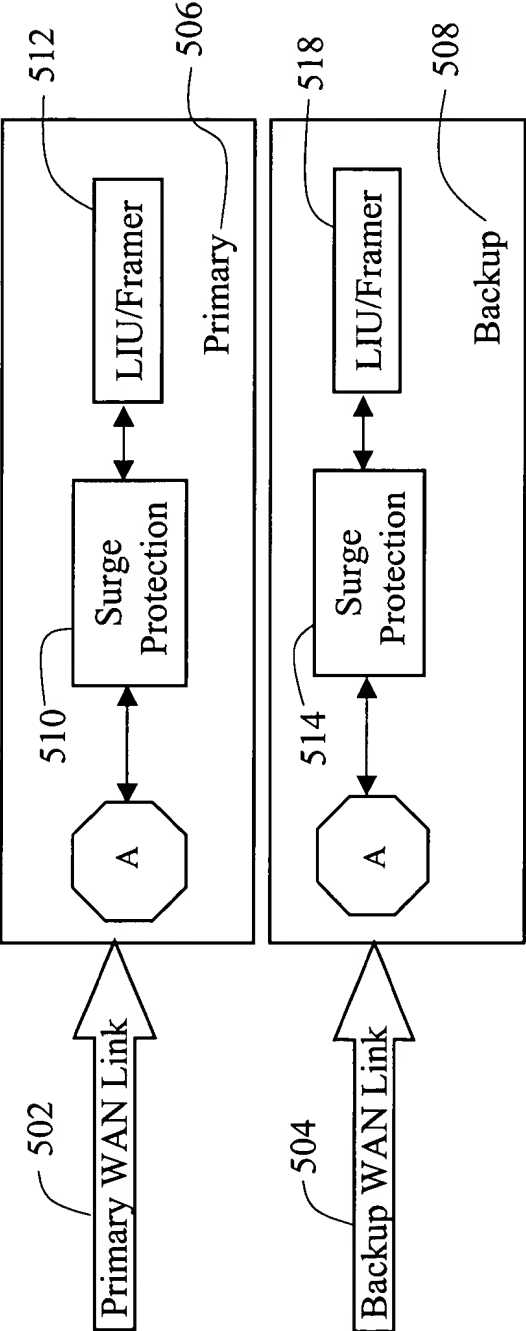


FIG. 22

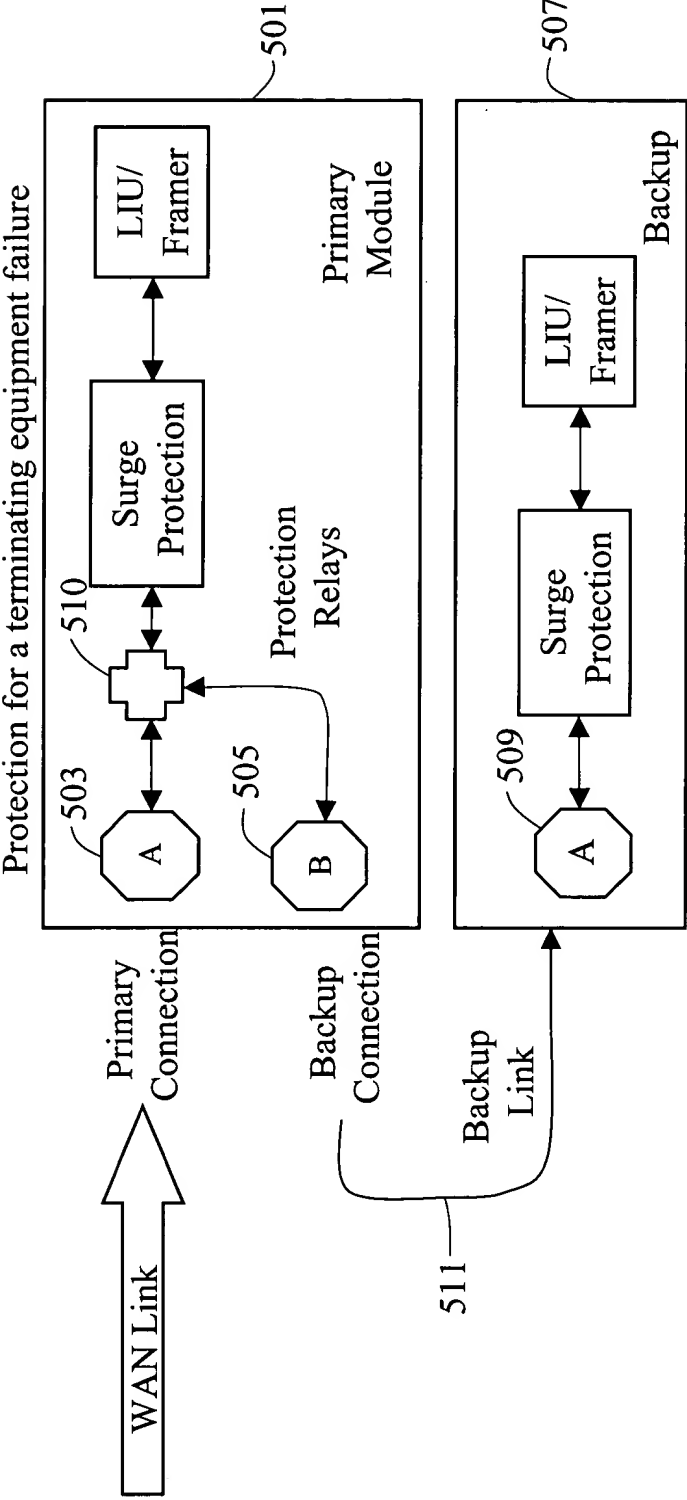


FIG. 23

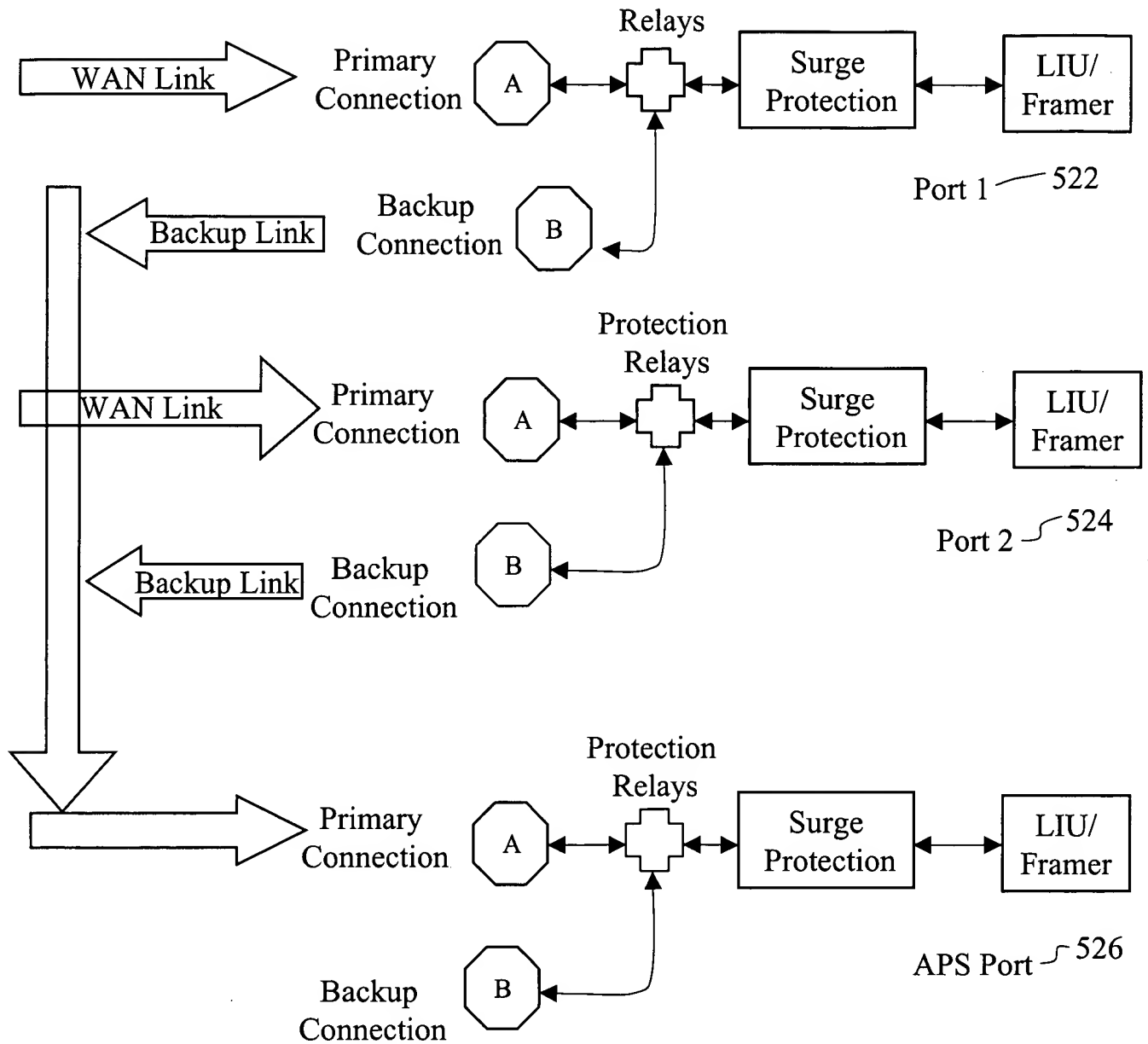


FIG. 24

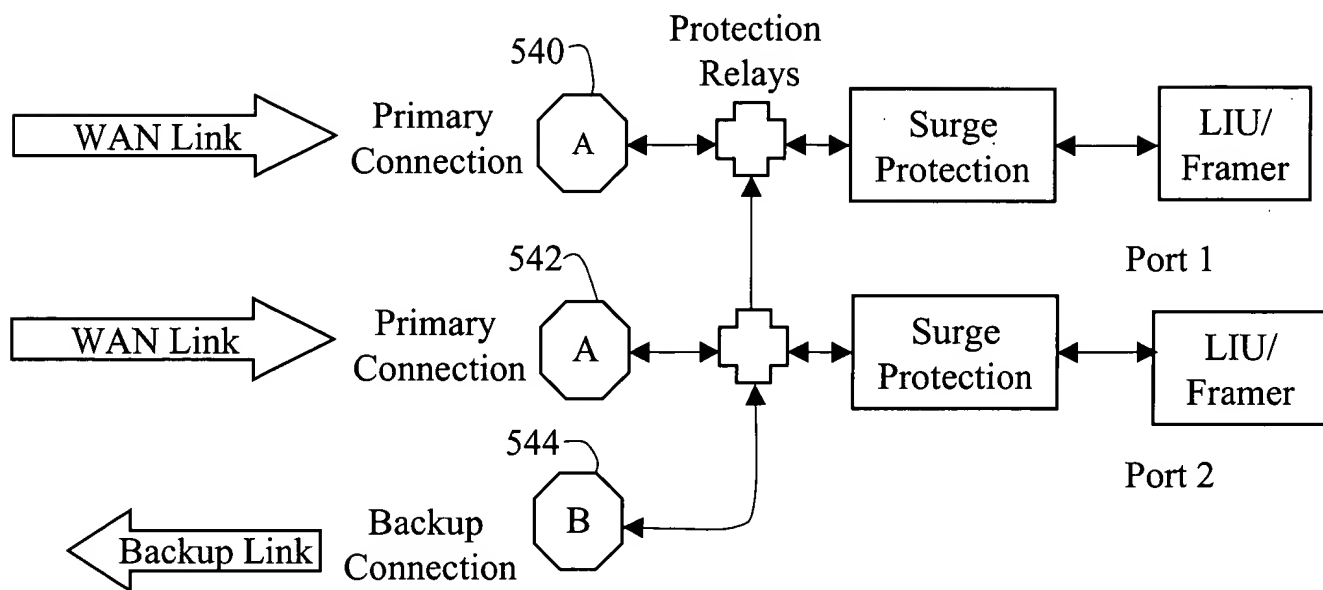
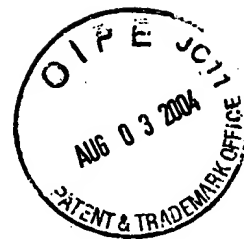


FIG. 25

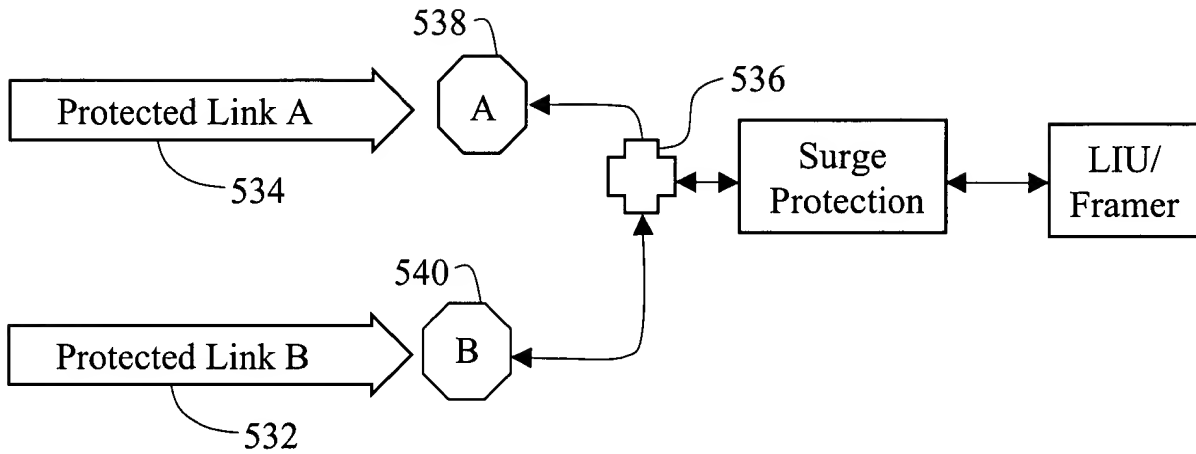


FIG. 26

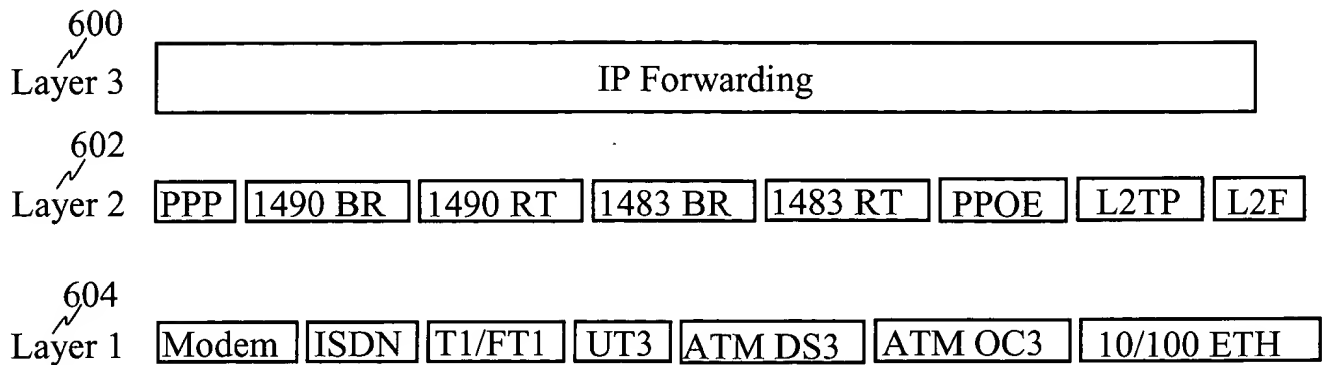


FIG. 27

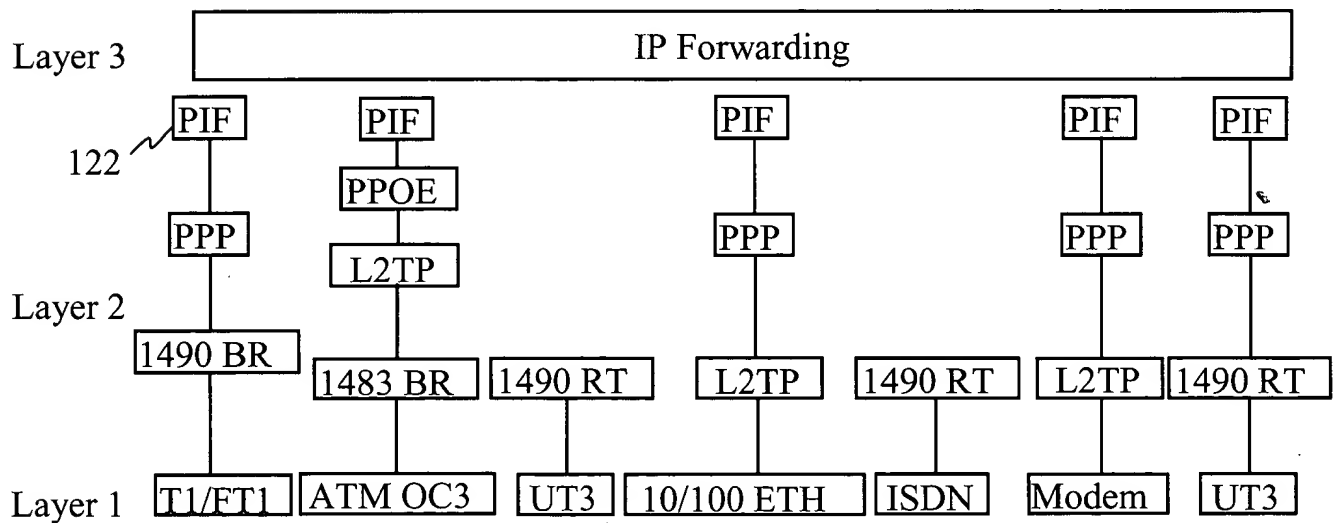


FIG. 28

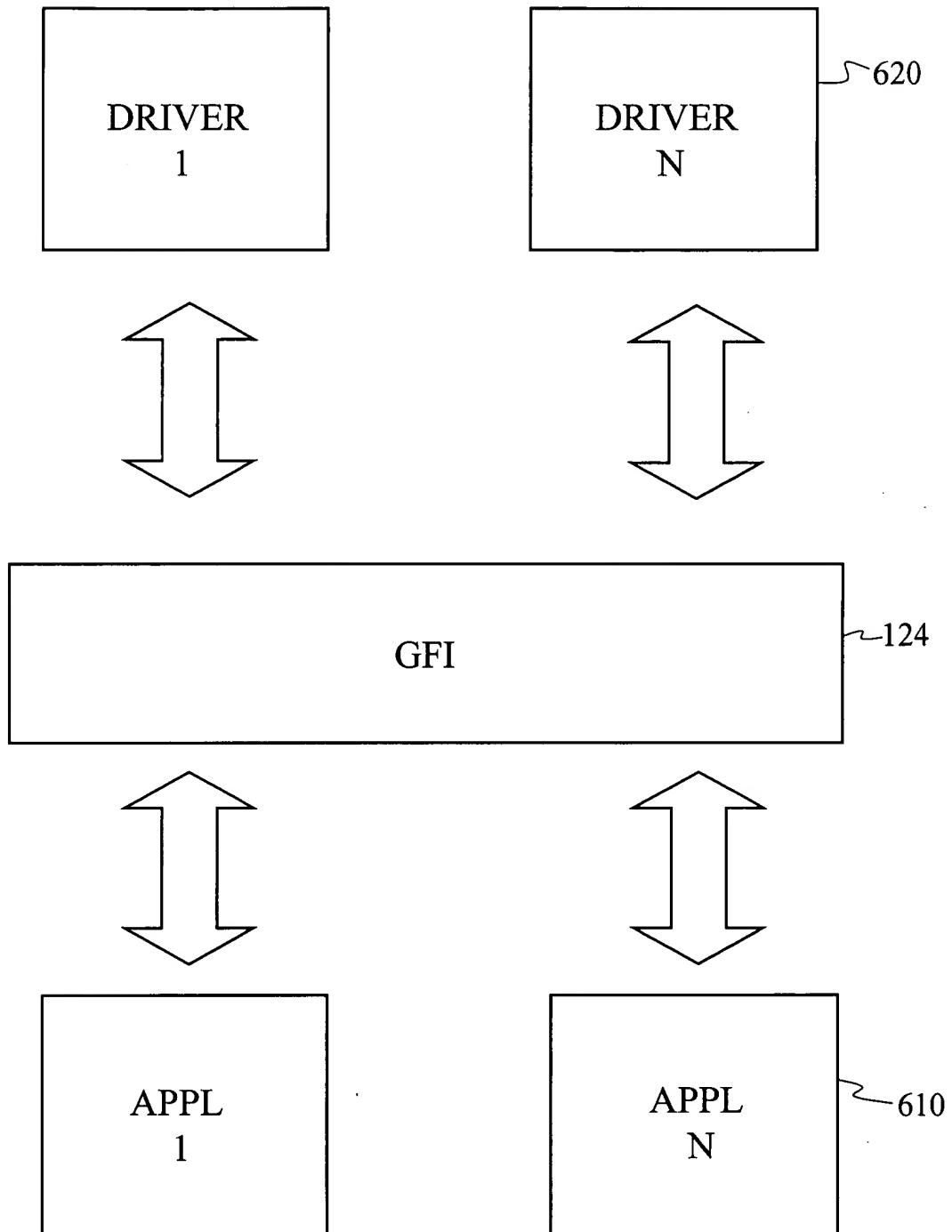


FIG. 29

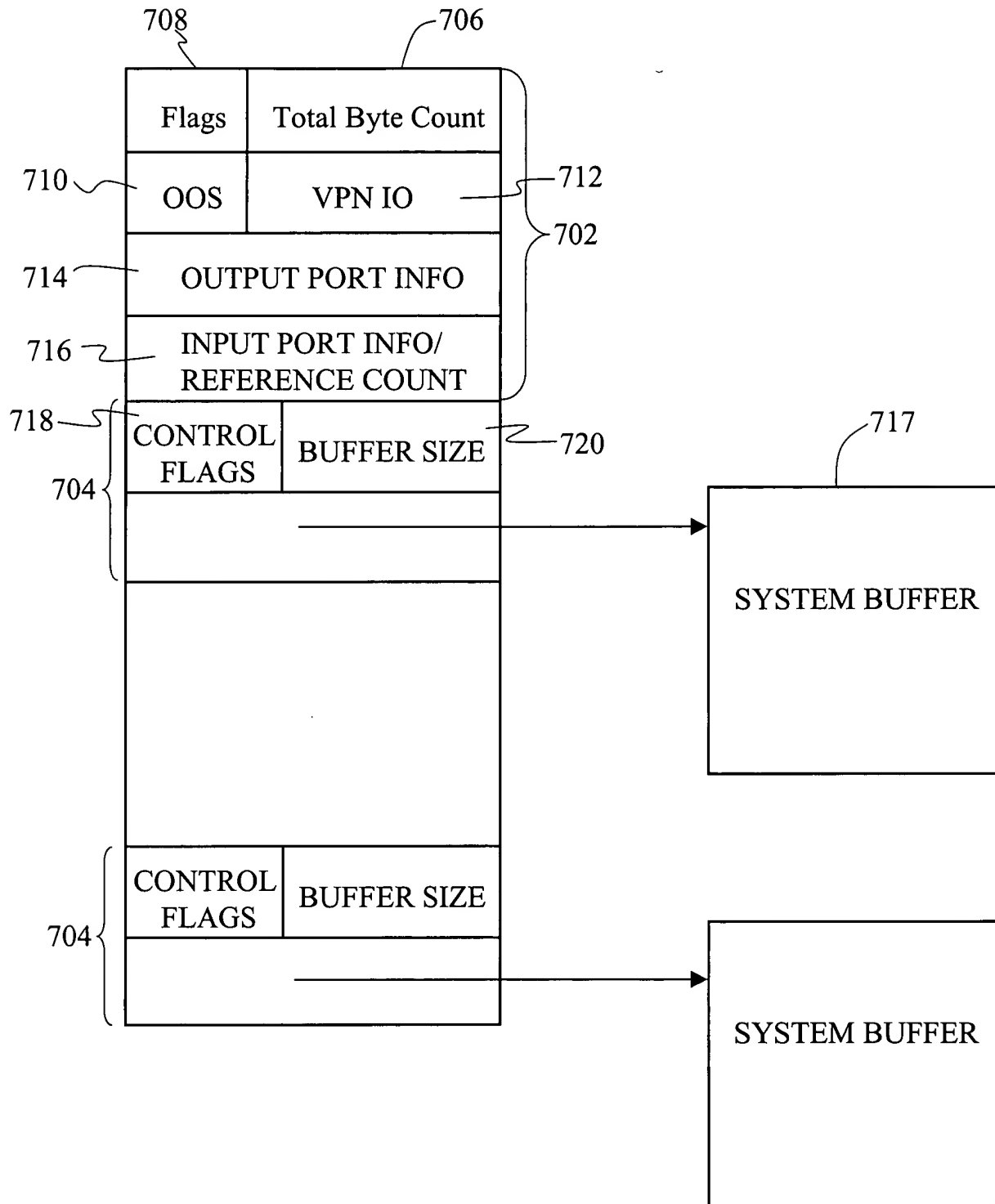


FIG. 30



FPA

	CHASS	SLOT	PM	CONT	PORT NUM
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FIG. 31

PPA

	CHASS	SLOT	PM	LINK	CHAN NUM
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FIG. 32



INPUT PORT FORMAT

28 27				24 23 22 21				18 17				12 11			
L A N T Y P E				P O R T T Y P E				C H A S S				C O N T R O L L E R			
S P A R E				C A R D				P O R T							
S P A R E															
S P A R E															

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FIG. 33



OUTPUT PORT FORMAT

28 27 26 25 24 23 22 21 18 17 12 11

Release	C R C	Multi Cast	S P A R E	S P A R E	S P A R E	CHASS	CARD	CONTROLLER	PORT
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FIG. 34



Port Addr Range	Type	Chass	Card	Control
0-19	Well Known Internal Multicast Address	NA	NA	0
20-18	Well Known Internal Unicast Address	NA	Card Num	0
40-79	Well Known External Multicast Address	NA	NA	0
80-511	Dynamic External Multicast Address	NA	NA	0
512-2048	Remote Port Address	Chass Num	Card Num	0

FIG. 35

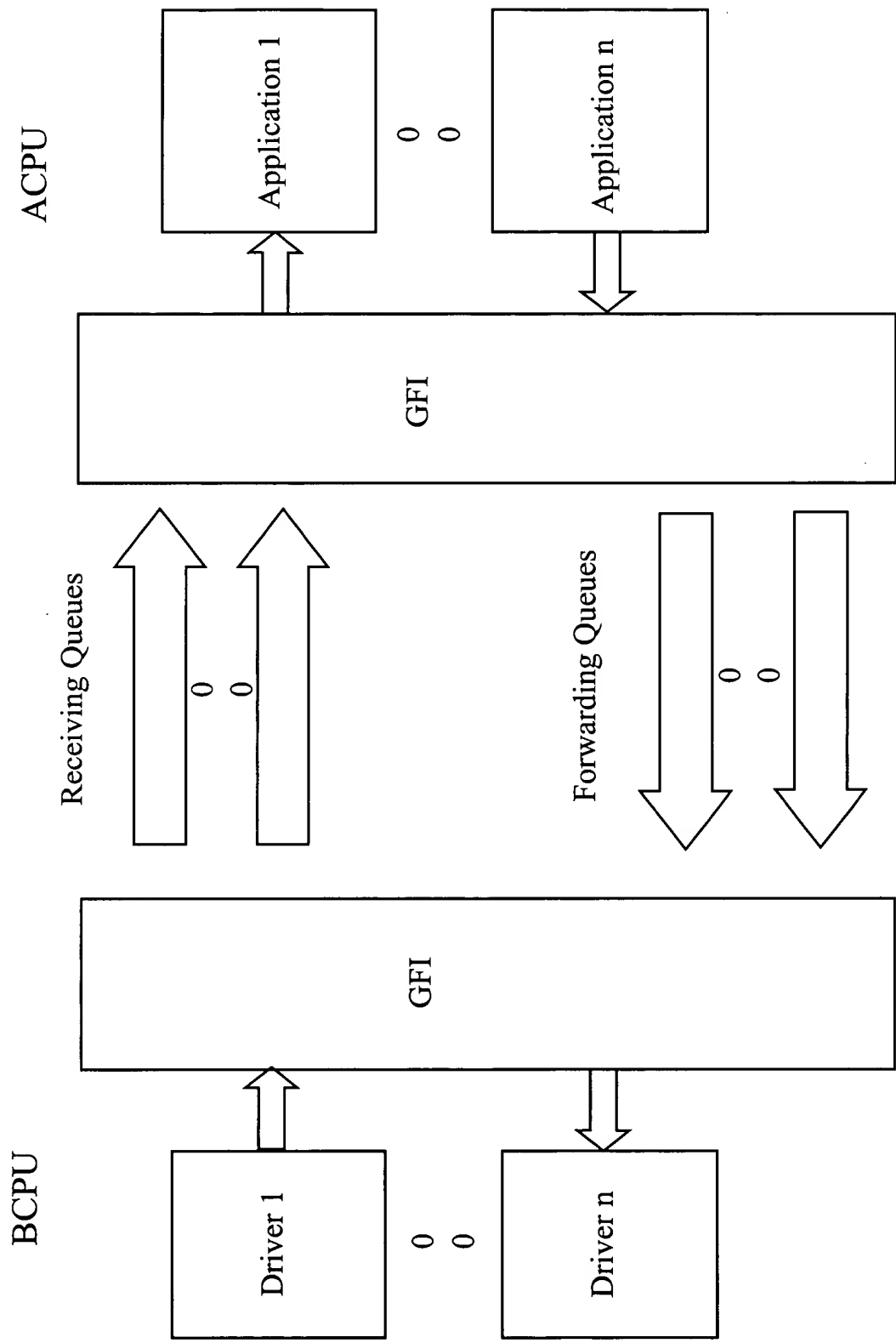


FIG. 36